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to Know  
In Time'

# Air Conditioning & REFRIGERATION



# NEWS

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AUG 7 1943

DETROIT BULLETIN  
EDITION

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## Bulletin!

### M-28 CHANGED TO REQUIRE MORE CLASSIFICATION DETAIL

WASHINGTON, D. C.—A new M-28 order, controlling the allocation of Freon, has passed the "final clearance" stage and will be released at once. This order differs from the previous M-28 by breaking down the classifications a little more in detail.

Classification 3 (Maritime Commission) now has these sub-classifications: (a) new equipment at the factory, (b) new equipment in the field, and (c) maintenance and repair.

Classification 4 (Maintenance & Repair) has these sub-classifications: (a) food storage, (b) industrial processing, including air conditioning, and (c) all other types except comfort cooling and beverage cooling.

Sterling Smith of the WPB's air conditioning and commercial refrigeration section continues to allocate all Freon for civilian use. Those who need Freon for industrial processing will be asked to supply the following information to Mr. Smith at the time of making application:

Type of installation?

Air conditioning or refrigeration?

What is it used for?

Is Freon needed for new equipment or because of a break-down in "old" equipment?

What is the minimum operating charge of the system?

Who is your supplier?

Next issue of AIR CONDITIONING & REFRIGERATION NEWS will carry complete details of the new M-28 Order, if it is released in time.

### PLAN LOCKER CONVENTION IN DES MOINES SEPT. 20-22

DES MOINES, Iowa—Tentative plans have been made for a convention of the National Frozen Food Locker Association Sept. 20, 21, and 22 at the Hotel Fort Des Moines here.

Program details are as yet quite sketchy, but it is planned that Monday, Sept. 20 will be given over to National and State association conferences, with an informal meeting Monday night of operators and members of the Manufacturers and Suppliers Association.

The Tuesday and Wednesday programs will be filled with technical sessions with talks by locker experts and men from governmental agencies.

Some plans are apparently being made for some kind of exhibits, for the first notices call attention to "exhibits of supplies, containers, paper, and other items now available."

## Increased Army Demand For Freon Delays Greater Civilian Supply

### New Kinetic Chemicals Plant, Planned For January, Should Relieve Shortage for 1944

WASHINGTON, D. C.—If you've been having trouble getting Freon—and who hasn't!—"you ain't seen nothing yet," WPB officials declare here. Army demands for Freon-12 have jumped enormously in the last fortnight, and the prospect is for a tighter and tighter supply over the next six months.

Sterling Smith, chief of the WPB refrigeration and air conditioning section, is still fighting, however, for enough Freon to meet minimum essential civilian needs.

Not only is the Army purchasing larger quantities of Freon for use in refrigeration and air conditioning installations, but its demand for Freon to be used in Aerosol, the insecticide, has jumped spectacularly.

Reason for this is said to be the development of new sources of supply for pyrethrum, the agent in Aerosol which actually kills the mosquitoes. Pyrethrum had been very scarce, which automatically limited the quantities of Aerosol which could be produced. Now that more pyrethrum can be obtained, the production of Aerosol will increase.

After personal intervention by General Somervell and Donald Nelson priorities were granted Kinetic Chemicals, Inc., Freon producers, a few days ago for a new plant to produce Freon. This plant will come into full production about January, at which time the situation should be relieved somewhat.

Application for materials to build this additional plant capacity had been on hand for months, but had been held up within the WPB.

In the meantime, the Army-Navy Munitions Board has suggested that civilian air conditioning systems be "bled" of their Freon, and this supply be turned over to the Army after redistillation. Practicability of this suggestion has not yet been determined, although WPB experts are said to have little faith in the plan.

WPB men are also pointedly suggesting that mixing agents other than Freon can be used in Aerosol—particularly methyl chloride. So far the Army-Navy Munitions Board has not taken kindly to these suggestions.

### Detroit Training For Refrigeration Servicemen Begins

DETROIT—First session of the specific program to train new refrigeration servicemen here was opened last Monday night at Cass Technical high school. Twenty-five men paid \$3 each to begin an intensive course of study of the practical mechanics of refrigeration.

The instruction classes are being held from 6 to 10 p.m. two nights each week in the school's shop laboratory, where public school refrigeration is taught during the day. Facilities and instruction are provided for through the Vocational Training for War Production Workers program, as set up by the War Manpower Commission with the cooperation of the city's Board of Education.

The job of enlisting men for the training course was handled in major part by the Refrigeration Contractors Association of Detroit. It presented the plan to the city's refrigeration servicemen employers as a possible solution to their shortage of trained men.

Most important, the training program move has gained recognition for the refrigeration service field with the WMC, which in turn can do much more in the matter of Selective Service deferments than local

(Concluded on Page 2, Column 2)

This is the bulletin issue of the News. More details on the news stories plus special features in next week's full size issue.

## Hoover Co. Stock Offered To Public

NORTH CANTON, Ohio—Hoover Co. (vacuum cleaners) stock to the amount of 100,000 common shares has been registered with the Securities and Exchange Commission for sale to the public, it was reported in business circles recently.

A group chosen from the underwriting firms of Smith, Barney & Co., Hornblower & Weeks, and Field, Richards & Co. of Cleveland are serving as joint managers in the sale of Hoover stock, it is said. Its duty is to buy the common shares from large stockholders of the company and resell to the public.

In addition, according to reports, the group plans to manage the exchange of 20,206 shares of 4½% preferred stock from large stockholders for transfer to the public.

Statements of Hoover's present capitalization show 20,206 shares of 6% preferred stock and 416,318½ shares of common stock.

## Hantober Is Organizing Los Angeles Concern

LOS ANGELES—H. & W. Refrigerator Co. is the firm name under which Herman Hantober and Benjamin Whitehouse have published an intention to conduct business at 11562 Santa Monica boulevard, West Los Angeles, Calif.

## WOLVERINE REFRIGERATION TUBE



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## Limited Production is Authorized For All Types of Domestic Ranges

WASHINGTON, D. C.—Limited production of domestic cooking stoves and heating appliances has been authorized by the War Production Board in Limitation Order L-23-c, issued last week.

Quota restrictions previously imposed on individual producers are removed by the amended order, and the quantity of the types that may be produced by the industry as a whole is specified.

Under the original order, issued just a year ago, all larger manufacturers, and those smaller manufacturers in tight labor areas, were immobilized.

Firms falling within both these classifications now may re-enter production as it is determined that their production of the specified types of cooking and heating equipment is needed.

The number of models and types permitted, based upon total unit production of all manufacturers between

July 1, 1940, and June 30, 1941, is extended in the following percentages:

|  |      |
|--|------|
| Cooking stoves and gas ranges                    | 40%  |
| Combination, bungalow, and kitchen heater ranges | 40%  |
| Fuel oil ranges and cook stoves                  | 40%  |
| Oil fired heaters                                | 40%  |
| Gas fired heaters                                | 75%  |
| Gas hot plates                                   | 75%  |
| Coal and wood cook stoves and ranges             | 100% |
| Coal and wood heaters                            | 100% |

The issue of WPB's revised order M-126, expected soon, will increase the effect on L-23-c by releasing iron and steel materials needed in production of the items authorized above.

Stove purchase certificates already issued that normally would be valid for 30 days from their date of issue, however, will be ineffective after Aug. 23, according to OPA's Amendment 7 to Ration Order 9, issued last week.

## New York Dealers and Utility Combine To Get Public's 'Unwanted' Appliances on the Market

NEW YORK CITY—A plan expected to make more than 500,000 idle electrical appliances available in New York City was initiated last week by appliance dealers in Manhattan, the Bronx, Brooklyn, and Queens, in cooperation with the Consolidated Edison System companies.

Moving to alleviate a shortage of electrical appliances in this area, the Edison companies made a survey among hundreds of housewives to find what unused electrical equipment they would be willing to relinquish.

The half-million appliances, with irons and toasters predominating, indicated as available for turn-in by the survey, will be resold to the public at prices set by the dealers. The turn-in prices will be arrived at by agreement between the persons selling the appliances and the dealers.

"The Edison System companies," said N. T. Sellman, assistant vice president in charge of sales, "each month receive dozens of calls from customers asking where appliances can be found, a question that has become almost impossible to answer because of the dwindling supply."

"We realize the hardships encountered by those who must do without the usual electric aids, particularly by women war workers

whose household duties must be done in double-quick time these days.

"We realize the hardships entailed in the war program; first in meeting the war workers' needs by making available to them equipment which stood idle on customers' shelves, either because the appliances needed repair or because they were duplicated by other appliances in the household; and second, in conserving the materials so urgently needed by our government.

Early this year the Consolidated Edison sales department made a survey of dealers' shelves, finding on hand approximately 50,000 appliances, and thereafter directed customers to dealers who had the equipment in stock. These supplies virtually are liquidated now.

The new plan is being announced to customers through August bill enclosures, showroom and truck posters, and in advertising display material furnished to cooperating dealers.

By that time a new nationwide stove rationing plan will be in effect, OPA has announced. The purchase of coal and oil heating stoves is at present rationed in those 32 states where fuel oil is rationed.

## Detroit Service Firms and WMC Officials Work Together as Training Program Opens

(Concluded from Page 1, Column 3)

organizations could do by themselves.

But even when local boards have recognized the necessity of servicemen and will defer them, the present level of trained manpower will continue to be inadequate to the demand. For that reason more men must be trained.

Those servicing firms who are backing the training program will have first bid on trainees who finish the course, and the trainees themselves will have no difficulty in finding work in this group, the Association has promised.

Main advantage offered to the trainees, who could just as easily find jobs at better pay in the many war factories, is that here they have a chance to get in on the ground floor of a trade that is a steady-income producer in good times and bad.

The relative freedom of the employee in his job is another inducement to men who have experienced the confinement of factory work. These factors have encouraged the Association to go ahead with their enlisting efforts, and they expect

the initial enlistment figure to double as the class progresses.

If the trainee is presently employed, upon completing the course he may appeal to the United States Employment Service for transfer to refrigeration service work, on a full-time basis.

Participation in the manning and training program is by supplementary agreement signed by each individual company subscribing to the plan. The contractors indicate the number of men they need, and are given a chance to hire the trainees either during or at the completion of the training course.

Many of those present at the first session of the training course were men already in the refrigeration field but at less skilled jobs. For them the course offers access to better classifications. Some were unemployed, and faced the prospect of a steady job in six weeks' time.

Several of the city's larger service outlets had several men present, such firms as Detroit Cooperative Refrigeration Service, Mechanical Heat and Cold Co., and Mercier & Clark. At least six smaller concerns also were represented.

Tuition figure of \$3 is principally a token fee. Balance of the costs for the 48 hours' instruction and for materials used is carried by the government.

Men taking active part in the progress of the course were Carl Turnquist, supervisor for the Vocational Training for War Production Workers and a member of the Board of Education; Tom Ross, of the Apprentice & Training Service, WMC; and Larry Keeler, of the faculty of Cass Tech and himself a serviceman of more than 10 years' experience.

## Hammersley Named WPB Divisional Head

WASHINGTON, D. C.—Appointment of William S. Hammersley as Director of the Consumers Durable Goods Division War Production Board has been announced by Operations Vice Chairman H. G. Batchelder. Mr. Hammersley, who has been Deputy Director of the Division, succeeds Dudley P. Felt, who has returned to private business in New York.

Robert Beatty, previously chief of Section I in the Division, handling principally incandescent and fluorescent lamps and bulbs, flashlights and batteries, and clocks and watches, will take over the post of Deputy Director.

Mr. Hammersley has been with the Division since September, 1941, serving in various executive capacities. He was appointed Deputy Director in May, 1942. Before coming to Washington, he was with the New Jersey Zinc Co., New York City, and the Reynolds Metals Co., Harrison, N. J. He is married, has two sons, and resides in Leesburg, Va. Mr. Hammersley is a graduate of Yale university.

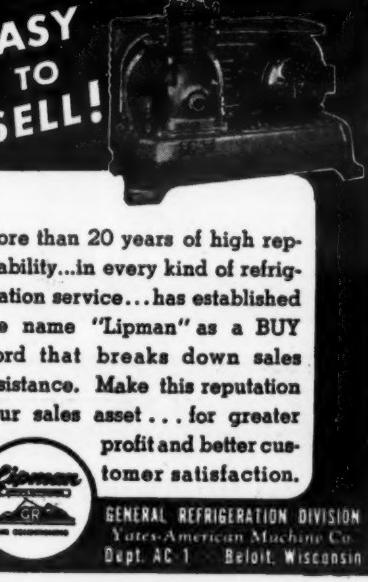
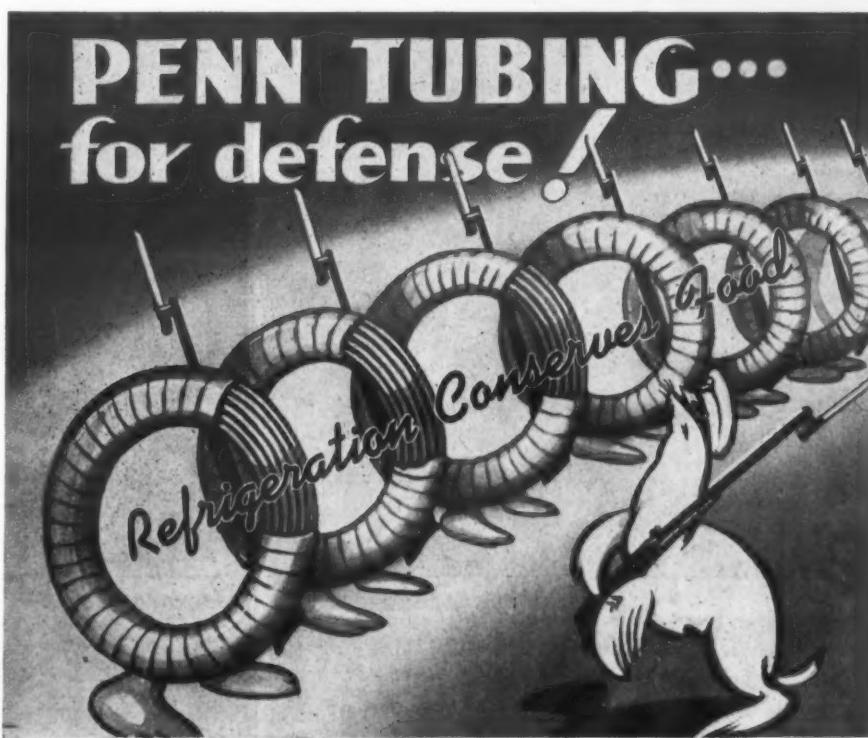
Mr. Beatty came to Washington in July, 1941, as a consultant on electrical goods with the Office of Price Administration and Civilian Supply, later transferring to the Consumers Durable Goods Division in a similar capacity. Before coming to Washington, he was associated with the Driver-Harris Co., manufacturers of heat and corrosion-resisting nickel-chrome alloys in Harrison, N. J.

A native of Talleyville, Del., he is a graduate of the University of Delaware. Mr. Beatty makes his home in Chevy Chase, Md.

## Used Refrigerator Regulation Amended

WASHINGTON, D. C.—A new paragraph, constituting Amendment 2, was added last week to MPR-139 (used refrigerators). It reads as follows:

"Section 8, (c): The registration and licensing provisions of sections 1499.15 and 1499.16 of the General Maximum Price Regulation continue to be applicable to every person selling the commodities for which a maximum price is established by this regulation."



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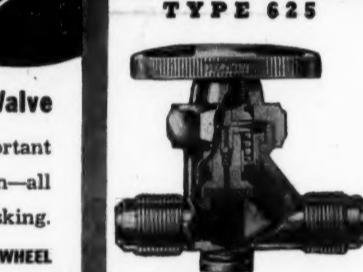
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At Ranco, we have the highest respect for dependability. Continuous inspection and testing from raw materials to finished product insure the dependability of Ranco controls.  
Ranco controls are constantly on duty—never "AWOL".  
Ranco Inc. COLUMBUS, OHIO

## New York Servicemen's Ranks Riddled Before Summer Began

### Survey By Metropolitan Service Contractors Reveals Big Loss In Men, Lag In Handling Calls

NEW YORK CITY—The Refrigeration and Air Conditioning Guild, Inc., an organization of 400 employers in the New York metropolitan area engaged in all types of refrigeration repair and maintenance work, showed in a survey made before the "summer season" started that refrigeration servicing facilities were breaking down because manpower was being drained off.

"Because of the serious situation caused by the breakdown in refrigeration facilities, which is in turn caused by lack of sufficient manpower to maintain and service such refrigeration, the refrigeration service industry in New York City caused a survey to be made to get as closely as possible the exact statistics on the conditions," relates Nathan Edelstein, president of the Guild.

"This survey was taken sometime prior to the peak summer season which begins approximately June 1," said Mr. Edelstein, "and the facts set forth can be multiplied many times now."

The following are the questions asked in the Guild's questionnaire, and the aggregate of compiled answers:

**Question No. 1.** What proportion of your business can you classify as "essential"?

**Answer:** The replies showed that from 75 to 100% of the business could be classified as "essential," with the average being 98% "essential."

**Question No. 2.** What character of specialized training do your men possess?

**Answer:** The replies emphasized that the training was of a highly specialized nature. Such expressions were used as "all around mechanic," "at least five years experience," "thoroughly trained."

**Question No. 2-B.** What length of time is needed to train new men?

**Answer:** Replies to this query ranged from three months to five years. The average was two years.

**Question No. 3.** Have you encountered a shortage of men in your business?

**Answer:** 96% replied that they had encountered a shortage of men.

**Question No. 3-B.** "How many employees have already been inducted into the Armed Services?" and **Question No. 3-C** "How many employees do you need to carry on your business" are combined.

**Answer to 3-B and 3-C:** It was not possible to get an accurate count on the number of men drafted, not to get figures on the number of men necessary to carry a normal summer refrigeration season. The percentage of total employees drafted into the armed services ranged from 0% to 100%. The average was 46%. Some firms showed a loss of 100% loss of men, and these firms are now operating with entirely new staffs.

**Question No. 3-D.** Have you made an effort to replace your employees?

**Answer:** The reply was 100% affirmative from all those who had lost men to the Armed Services. Efforts were made to get men, it was revealed, through the U. S. Employment Service, employment agencies, advertisements, etc.

**Question No. 4.** How many days are you behind on service calls?

**Answer:** Range of the replies was from "none" to "30 days." The average was five days.

**Question No. 5.** What percentage of calls received each day go unanswered.

**Answer:** The replies showed the percentage of unanswered calls ranged from 0 to 75%, with the average being 22%.

**Question No. 6.** From your personal knowledge, do you know of meat and foodstuffs having been spoiled for lack of proper refrigeration? If so, give the approximate amount.

**Answer:** The reply was invariably "yes" but all were not certain of their figures since they could not get an accurate estimate of the damage. The customers generally exaggerated the quantities and amounts. The amount specified ranged from "no knowledge of any spoilage" to "thousands of dollars."

**Question No. 7.** Approximately how many household mechanical refrigerators do you service per year?

**Answer:** By company the range was from 0 to 50,000 units per year. Total number reported serviced was 1,896,630 household units per year.

**Question No. 7-B.** How many commercial refrigeration units do you service per year?

**Answer:** By company the range was from 0 to 5,000 units. A total of 240,000 units were serviced by the reporting companies.

**Question No. 8.** What percentage of increase in calls do you expect during the "summer season"?

**Answer:** Replies were in the range from 20 to 500%. The average expected was 116%.

### Nash-Kelvinator Shoots

#### Deliveries Up 250%

DETROIT—The third fiscal quarter of 1943 will show Nash-Kelvinator deliveries of greater than \$2 million, representing more than 2½ times the figure for the corresponding quarter last year, according to President George W. Mason's report to stockholders last week.

The company's entire manufacturing facilities have been converted to essential war production since that time, he revealed, when net sales for the third quarter were only slightly in excess of \$1 million dollars.

Nash-Kelvinator and its subsidiaries during the fiscal quarter ending June 30, 1943, showed a net profit of \$809,088, according to Mason's report, a dividend of 19 cents a share on the 4,291,190 outstanding shares of capital stock.

This tallied almost exactly with 1942's second quarter, which produced a net profit of \$811,047. The figures quoted represent totals remaining after deduction of all charges, including income and excess profit taxes.

## M-28 Interpretation Covers Reporting of User's 'Freon' Stock

WASHINGTON, D. C.—Monthly inventory reports as required by Conservation Order M-28 (Chlorinated Hydrocarbon Refrigerants) must be made regardless of whether the refrigerants are held by owners for their own use or for resale, the War Production Board declared July 29 in issuing Interpretation 1 of the order.

The inventory report must show the aggregate quantity in the owner's possession, including stocks of less than 500 pounds located at various places if the owner's total stock is more than 500 pounds. It must include all amounts not actually being used in refrigerating or air conditioning systems.

M-28 prohibits delivery of chlorinated hydrocarbon refrigerants for use in or for resale for use in systems of the type described in List B. The interpretation points out that a manufacturer may not charge any such system before delivery nor deliver the refrigerants separately to be used in charging the system. He may, however, deliver systems which had already been charged on the effective date specified in List B.

### PART 970—CHLORINATED HYDROCARBON REFRIGERANTS

[Interpretation 1 of Conservation Order M-28]

a. **Reports of inventories.** The reporting of requirement of paragraph (j) (2) of Order M-28 [§ 970.1] must be compiled with regardless of whether the chlorinated hydrocarbon refrigerants are being held by the owner for his own use or for resale.

The paragraph requires every person (including the owner of a refrigerating or air conditioning system) who has in his possession, on the 15th day of any calendar month (commencing with the month of July), more than 500 pounds of any type of chlorinated hydrocarbon refrigerants, or who sold more than 2,000 pounds of such a refrigerant during the preceding calendar month, to file a report on Form WPB-3054 with the War Production Board on or before the 20th day of the month.

Each "person," as defined in the order, must report the aggregate quantities in his possession (including stocks of less than 500 pounds located at various places) if the total is more than 500 pounds.

The report must include all amounts not actually being used in refrigerating or air conditioning systems. Thus the owner or operator of a system who has more than 500 pounds in his possession must report his entire supply except for the minimum operating charge already installed in his system. Any additional amount which he may have must be reported, whether kept in cylinders, a storage receiver or other form of container. However, if minimum operating charge is being temporarily held in a container while the system in which it had been installed is being repaired, it should not be reported.

An equipment manufacturer who has more than 500 pounds in his possession on the 15th day of any calendar month must report his entire supply except what has been actually installed as an operating or holding charge in accordance with his regular manufacturing practice.

b. **Charging of equipment manufacturers.** Paragraph (g) provides that no user, supplier, contract agent, or producer shall deliver, or cause to be delivered, to the owner of any system any chlorinated hydrocarbon refrigerants for use in, or for resale for use in any system of the types described on List B.

This restriction is intended to prevent charging any system of the types included on List B with chlorinated hydrocarbon refrigerants except for a person who was operating a system and had the necessary refrigerants in his possession on the effective date specified in List B. Therefore, a manufacturer may not charge any such system with chlorinated hydrocarbon refrigerants before delivery, and he may not deliver the refrigerant separately to be used in charging the system. However, he is not restricted from delivering systems which had already been charged with such a refrigerant on the effective date specified on List B.

Issued this 29th day of July, 1943.  
WAR PRODUCTION BOARD

### Trade-In Makes Motor Replacement Permissible

WASHINGTON, D. C.—Section 1226.1 of General Limitation Order L-123 has been clarified by Interpretation 3, issued last week. The paragraph reads as follows:

"It has been the practice of the motor repair industry to take in trade a broken down fractional horsepower motor and repair it for re-delivery to another customer on a similar basis, rather than to engage in repair of a fractional horsepower at the point of operation.

"The sale of the fractional horsepower motor for replacement would be within the exemption provided by paragraph (c) of Order L-123 (section 1226.1) with respect to delivery of maintenance and repair parts, if it is the practice of the seller to take in trade the broken down motor, to repair it or have it repaired where practicable, and to resell it under similar conditions."

## CLASSIFIED ADVERTISING

RATES for "Positions Wanted," 5¢ per word; minimum charge, \$2.50. Three consecutive insertions, 12½¢ per word; minimum charge, \$6.25.

RATES for all other classifications, 10¢ per word, minimum charge, \$5.00 per insertion. Three consecutive insertions, 25¢ per word, minimum charge, \$12.50.

ADVERTISEMENTS set in usual classified style. Box addresses count as five words, other addresses by actual word count.

### EQUIPMENT WANTED

REFRIGERATOR COMPRESSORS. 1½ and ½ H.P. Methyl or Freon new units. We are commercial refrigerator manufacturers. Send us full particulars. HALLE'S, Colorado Springs, Colorado.

WANTED CONDENSING UNITS. New only. From ¼ to 3 H.P. in both air and water cooled. Advise and give make, models, sizes etc. We can use only 60 cycle machines. Advise Air Conditioning & Refrigeration News, Box 1461.

### HELP WANTED

DOMESTIC REFRIGERATOR service-man. Successful midwestern service dealer has an attractive, permanent position to offer a competent, draft exempt service-man. Good salary and plenty of overtime. Household refrigerators only. Will pay expenses of right man to Peoria. Wire collect your qualifications and salary requirements. JAY'S, 530 S. Adams St., Peoria, Ill.

### EQUIPMENT FOR SALE

GENERAL ELECTRIC refrigeration equipment: Model HC-32S, 32.8 cu. ft. refrigerators; self-contained, complete with blower coil and condensing unit. HC-42F refrigerator; remote type, complete with blower coil. Panel type blower coils, pre-war construction: Models EC-44 and 441, 1,750 B.t.u.; EC-45, 2,500 B.t.u.; EC-46 and 461, 3,750 B.t.u. Expansion valves included. All of the above General Electric guaranteed products, new in original crates. No priority required from dealers. Immediate delivery. RAMSEY BROTHERS CO., 727 Bolivar Rd., Cleveland, Ohio.

BRAND NEW 10 gallon EBCO water coolers. New reach-in refrigerators—General Electric, Westinghouse, Puffer-Hubbard—22 to 90 cubic feet, complete with condensing units. Some self-contained. Farm Freezers—Frozen Food Cabinets. New and reconditioned. Three to 40 cubic feet. No priorities required. Dealers only. GENERAL REFRIGERATORS CORP., 678 Broadway, New York, N. Y.

REMOTE ICE cream cabinets. Round holes, brine. All in good condition, all are complete. No units. Six dollars a hole. Two 3-hole cabinets; eight 4-hole cabinets; six 6-hole cabinets; 26 8-hole cabinets; one 10-hole cabinet; one dual temp. 8-hole cabinet. GENERAL REFRIGERATORS CORP., 678 Broadway, New York, N. Y.

SEEGAR DISPLAY cases No. 25-8, \$46.00; No. 38-4, \$28.00; No. 34-10, \$56.00; Green Soda Fountain model 1250, \$143.00; Magic Kitchen grills—2 No. T-7, \$90.00 ea.; 2 No. T-8, \$100.00 ea. All new. Will sell at lower price if entire lot in one sale. Air Conditioning & Refrigeration News, Box 1460.

COMPACT-EITE ½ H.P. Highside, less motor \$15.00; Carbon Tetrachloride, 5 gallon, \$7.00, container 50¢; ¼ H.P. Finned Condensers \$6.00; Frigidaire ¼-½ H.P. Compressors \$7.00; 4 tray Expansion Type Evaporators \$10.00. All parts "as is"—running condition. F.O.B. EDISON COOLING, 310 E. 149th, New York.

65 cu. ft. Refrigerators, reach-in style with five (5) solid doors, natural oak front, white enameled interior, completely self-contained and blower coil installed ready to attach to 110 volt electric service. Brand-new in original crates available for immediate shipment without priority to dealers and distributors. \$415.00 net. F.O.B. midwest shipping point, 25% with order, balance C.O.D. or S.D. B/L. J. GEO. FISCHER & SONS, INC., SAGINAW, MICHIGAN, SINCE 1889.

### POSITIONS AVAILABLE

WANTED—2 skilled commercial refrigeration servicemen for San Francisco. High wages and bonus. Permanent job to right parties. Write giving age, education, and experience. Box 1463, Air Conditioning & Refrigeration News.

COIL DESIGNER and engineer. Well established manufacturer in Commercial Refrigerators is adding a department for making evaporators, and wants engineer with practical coil manufacturing experience. Write completely full information. Answers confidential. Will interview at once if your background justifies. Box 1459, Air Conditioning & Refrigeration News.

DRAFTSMEN. Carrier Corporation has war work now, with similar after war opportunity. Experience with refrigeration layouts and Freon piping preferred. New York City location. If engaged vital war work, don't apply. Contact J. R. Lewis, Mu. 6-6200 or 405 Lexington Ave., New York City.

### POSITIONS WANTED

FIRST CLASS COMMERCIAL and installation mechanic and Service Manager with few years combined experience desires position with well established firm as Service Manager or what have you to offer. Prefer job in Southwest or West Coast. Draft classification 3-A. Kindly state complete details of offer of position in first reply. Air Conditioning & Refrigeration News Box 1465.

GENERAL MANAGER of Central West Air Conditioning factory desires change. Knows coil design and construction—also proper application, erection and design of equipment. Duties here include Management, Production, Sales and Purchases. Can furnish bank and personal references. Am 43 years of age, married and 3A. Air Conditioning & Refrigeration News, Box 1464.

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## Joins G-E



RALPH J. CORDINER

**Cordiner Named  
To Assist Swope**

NEW YORK CITY—The appointment of Ralph J. Cordiner as assistant to the president of General Electric Co. has been announced by Gerard Swope, president.

Mr. Cordiner, who resigned in June as vice chairman of the War Production Board, was formerly president of Schick, Inc., of Stamford, Conn. Prior to that he was manager of G-E's appliance and merchandise department.

Mr. Cordiner was closely associated with the selling of electrical appliances from his undergraduate days at Whitman College in Walla Walla, Wash.

His first position was on a part-time basis with the Pacific Power & Light Co., and from money earned in selling electrically operated appliances he financed his four years at college, graduating with high honors in 1922.

That same year he was made commercial manager of a division of the Pacific Power & Light Co. His record was such that in less than a year he was offered a position with the Edison General Electric Appliance Co. with headquarters in Portland.

Five years later he became Northwest manager, and in 1930 moved to San Francisco to become Pacific Coast division manager.

When the heating device section of Edison General Electric was transferred from Chicago, and consolidated with the company's merchandise department at Bridgeport in 1932, Mr. Cordiner went with it as manager and chairman of the management committee.

Two years later he was appointed assistant manager of appliance sales, and in 1935 became manager of the radio division.

A year later he was promoted to assistant manager of the appliance and merchandise department, and in January, 1938, succeeded Charles E. Wilson, now executive vice chairman of WPB, as manager of G-E's appliance and merchandise department, with offices at 570 Lexington Ave., New York.

**Ice Scarcity Reported  
In Southern Cities**

MEMPHIS, Tenn.—Failure of ice facilities to meet demands for ice are reported here and in other cities throughout the South.

Memphis ice companies have announced a 25-pound limit on platform sales and general reductions averaging 20% to customers served on delivery routes.

Ice refrigerator cars passing through Louisville, Ky., are being served in spite of tremendously increased demands, but here again platform sales have been limited and route customers rationed.

Families in Hot Springs, Ark., are getting ice in decreased amounts. One company last week reduced its sales to a 50-pound minimum, and another to 25 pounds. A third plant has been selling on a percentage-of-request basis, giving customers half of the amount they customarily ask for.

**Ice Shortage in Denver Shipping Centers  
Brings Swift FDA Action from Washington**

DENVER—A drastic ice shortage affecting food shipments to military camps and to industrial centers all over the country grew sufficiently serious last week to be given 24-hour service from Washington in the form of a priority plan allotting ice on a curtailed percentage basis to all essential users, civilians included.

Denver in August becomes the biggest vegetable shipping center in the United States. Besides the production of the Denver area itself, it handles also Colorado's western slope peaches and the cherry crops of northern Colorado, maturing through September.

The major part of the fruit and vegetable shipments originating in or distributed from the Denver area goes to various army camps and to the markets of industrial production centers. But this year refrigeration facilities have broken down.

For several reasons. The railroad demand for refrigeration facilities this year is 90% greater than 1942's. Of the city cold storage vaults, 70% have been requisitioned by the government for butter, eggs, and meat reserves for army distribution.

## NO REFRIGERATORS

There are no mechanical refrigerators for sale or in storage in the Denver area, according to a survey of retail establishments, wholesalers and distributors handling mechanical refrigerators made by Leslie A. Miller, regional director of the War Production Board.

No refrigerators are available at any price for civilian usage. The few on hand are earmarked for essential military use in hospitals and other activities of the armed forces. These are earmarked into 1945, the survey showed.

The shortage of ice is not absolute, but it is far from adequate. Local ice manufacturing companies report their ability to fill only 50% of submitted orders. Of the available output, so much must go into essential channels that civilians get much less than that.

The late summer season customarily brings an import weight of from 10,000 to 20,000 tons of ice from Alamosa, and a lesser but considerable amount from Leadville, nearby communities. This year the expected ice shipments have not been received, having been needed at the sources for military uses.

## COLD STORAGE UNAVAILABLE

Storage company officials have not been able to locate other cold storage vaults near Denver. Cold storage thus cannot help the situation. Meanwhile the city's small ice reserve has been rapidly shrinking.

Garden truck crops have been spoiling because vegetable dealers, with no promise of ice for refrigerator cars, cannot afford to bid on the produce. Cherry growers, unaware of impending refrigeration difficulties, had ordered no containers for canning.

Denver's July ice sales this year already had topped last July's by 40%. Reports of ice reserves showed 90,000 tons to meet the usual August and September consumption quota of 130,000 tons.

This was the total picture presented to WPB officials at the beginning of the peak production period last week. V. L. Board, chief deputy regional director of WPB, was forced to admit that his office had no authority to order or to enforce the adoption of any plan.

But he knew something had to be done. He contacted Leonard Trainer, regional administrator of the Food Administration of the Department of Agriculture. They got in touch with representatives of the commercial ice producers, of the big ice users, and of the transportation agencies.

This group put down the facts, their suggestions for action that might insure a fair distribution of the city's dwindling ice supply, and sent the documents off to Washington with the urgent request for immediate action.

Their answer came back within 24 hours, from FDA headquarters in Washington. Ice was declared a food, and as such could come under the jurisdiction of local FDA.

The regulation authorizes the distribution of the city's ice by allocation according to the priority ratings of the customers. It allows ice manufacturers temporarily to break contracts drawn with their domestic cus-

tomers before the emergency.

Consumers are divided into two classes, based upon consumption figures in the peak period of last year. Class I includes hospitals and food shippers; they are allotted 75% of their last year's consumption.

Class II includes all others, and they are allowed 50% of last year's consumption. All those included in Class I will receive written priority certificates from the FDA.

## RAILROAD ICE REDUCED

Refrigerator cars, iced to 75% of former levels, can reach other terminals where it is more plentiful.

Inequalities formerly effective, in ceiling prices imposed on produce growers but not on frozen food distributors are nullified for the time being by an OPA directive permitting processors to sell at prices they consider fair.

Processors' ceiling prices now are under revision in Washington, and when these shall be determined and announced the present temporary figures will be readjusted and the differences compensated for.

The cooperation of Denver families with mechanical refrigerators has been asked to the extent of sharing with their neighbors the ice cubes and refrigerator space they can spare.

## NEWSPAPERS HELP

Suggestions also have been featured in the daily papers on conserving refrigerator efficiency: Cutting down on leftovers at meals and thus having less food needing refrigeration; placing no hot foods in a refrigerator; and having the refrigerator sit in a cool place, in the cellar, for instance, instead of on the back porch, a factor which saves sometimes 25% in operating efficiency.

The ice shortage will be severe until Sept. 1, city officials estimate, and the shortage as such will outlast the month. But they believe they have the situation under control.

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